

RHYTHM-BASED TRANSITION TO DISCRIMINATORY ARRHYTHMIA CLASSIFICATION

ABSTRACT

5 In a medical device that monitors and/or treats ventricular arrhythmia, the
invention provides for a "normal" processing mode of operation and a "guarded"
processing mode of operation. The transition between the two modes is a function of
cardiac rhythm. Benign rhythms are processed in the normal processing mode and
non-benign rhythms are processed in the guarded processing mode. In normal
10 processing mode, the device performs functions that are not computationally
demanding, but in guarded processing mode, the device performs the computationally
demanding operations that classify arrhythmias. If therapy is deemed necessary, the
device may provide the therapy in guarded processing mode.